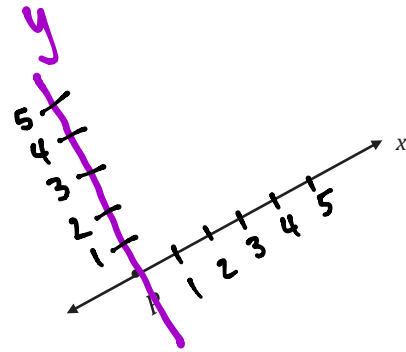
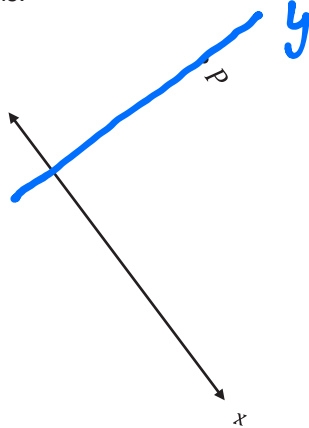


Name _____

Date _____

1. a. Use a set square to draw a line perpendicular to the x -axis through point P . Label the new line as the y -axis.



- b. Choose one of the sets of perpendicular lines above and create a coordinate plane. Mark 5 units on each axis, and label them as whole numbers.

2. Use the coordinate plane to answer the following.

- a. Name the shape at each location.

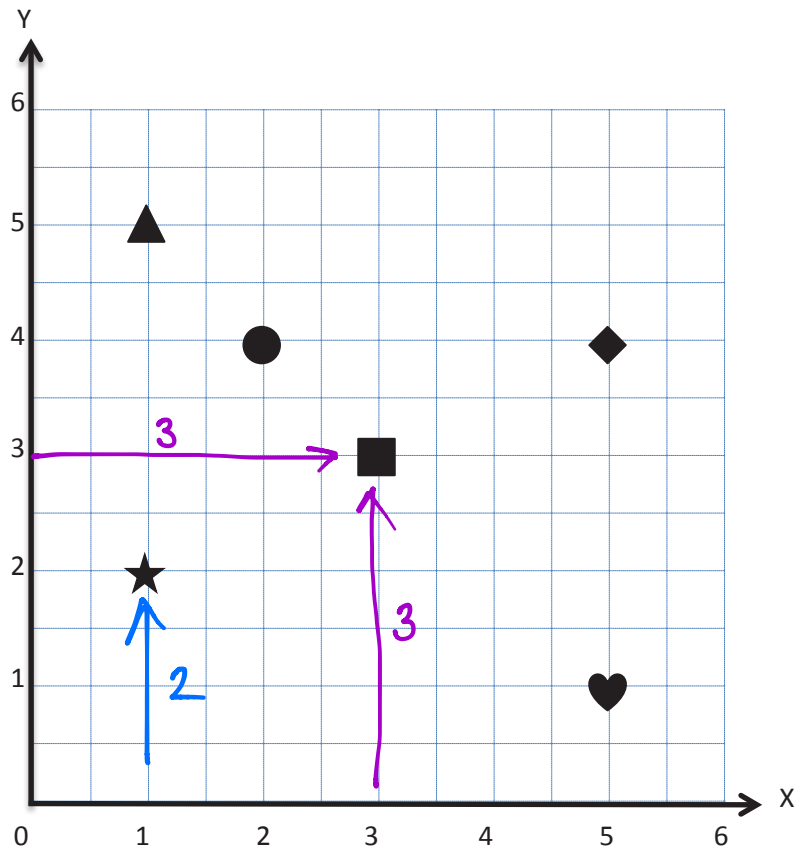
x -coordinate	y -coordinate	Shape
2	4	circle
5	4	diamond
1	5	triangle
5	1	heart

- b. Which shape is 2 units from the x -axis?

star

- c. Which shape has the same x - and y -coordinate?

square



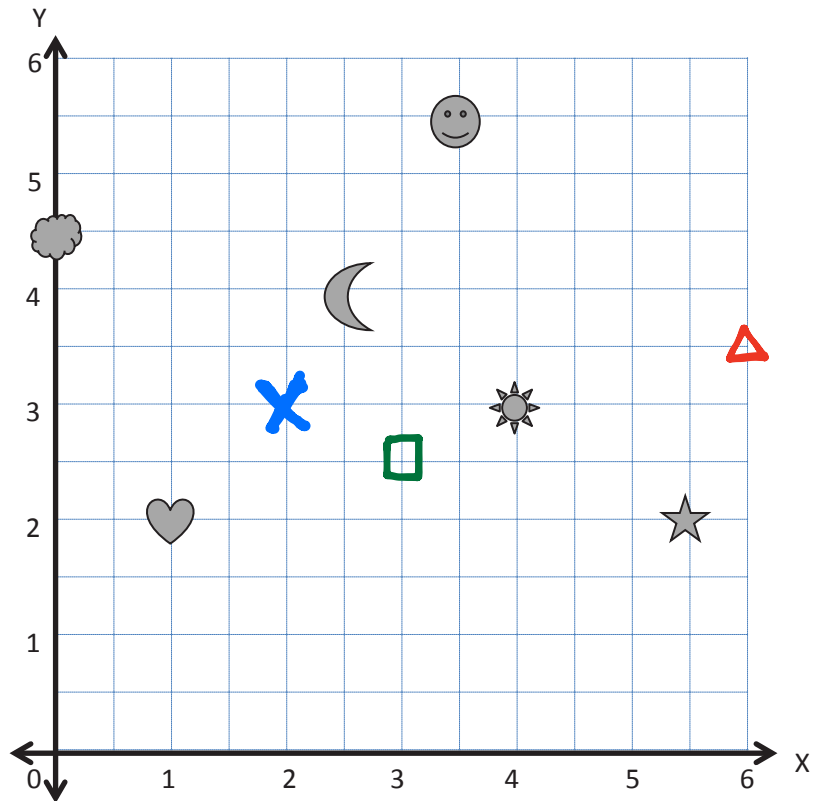
3. Use the coordinate plane to answer the following.
 a. Name the coordinates of each shape.

Shape	x-coordinate	y-coordinate
Moon	$2\frac{1}{2}$	4
Sun	4	3
Heart	1	2
Cloud	0	$4\frac{1}{2}$
Smiley Face	$3\frac{1}{2}$	$5\frac{1}{2}$

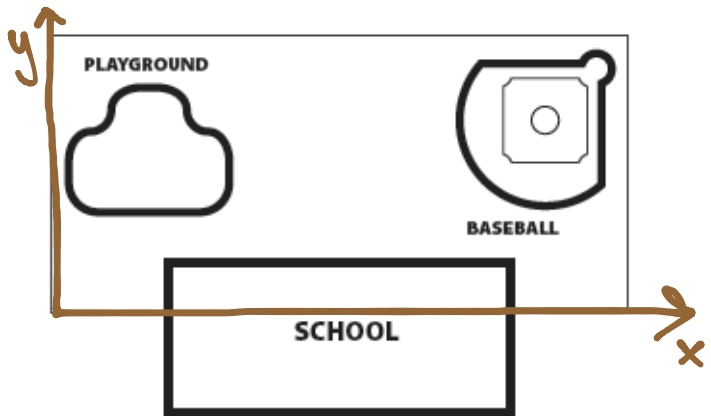
- b. Which 2 shapes have the same y-coordinate?

heart and star

- c. Plot an X at $(2, 3)$.
 d. Plot a square at $(3, 2\frac{1}{2})$.
 e. Plot a triangle at $(6, 3\frac{1}{2})$.



4. Mr. Palmer plans to bury a time capsule 10 yards behind the school. What else should he do to make naming the location of the time capsule more accurate?



He should also determine where to measure the 10 yards from. This is somewhere along the x axis.